

!

!

"#\$%&'!()' \*%&+!

!!!0#. #. !/#01+2!

3-4%5#1670''!89\*-5%+%\$\*7!: -2(9)9424593. 7694c87540-2(: -2(9)9)01() (>2(#. )]TJETQq. 24000. 248. :







"#R)-&#1!4%)&+#+!0!' \* #!\_MM!5# , #5!1##\$#<!+' ) 1#<' +!) <1#&+'0<1-<C!%K!F%' \*!' \* #%&7!0<1!; #' \*%1+!K%&!  
C#<1#&!0<1!+#V) 05-7!&##+0&4 \*!0<1!+4 \*%50&+\*-\$P!J%4)+!-!\$504#1!%<!+' ) 1#<' +!O!F-5-'7!'%!) <1#&+'0<1!  
-<'#&\$&#!!0<1!4&-'R)#!10'OP!('!' \*#!dMM!5# , #5!' \*#!&#R)-&#1!\$&OV-+!4%)&+#!1# , #5%\$+!+U-55+!-<!4% ; )<-'7S  
FO+#1!&##+0&4 \*!0<1!-<R)-&7!0<1!K#0')&#+!. %&US-<'#C&O'#1!5#0&<-<CP!90&' -4-\$0'%&7!450++&%%; +!055%. !  
' ) 1#<' +!'%!1# , #5%\$!5#01#&+\*-\$!+U-55+!04&%++!; )5'-\$5#!4%<'#V'+P!  
!

D%; ; )<'7S#<COC#1!5#0&<-<C!!. %&US-<#C&O'#1!5#0&<-<C!O<1!#V\$#&-#<'05!5#0&<-<C!O&#!4%&#!K#O')&#+!  
%K!'\*#!6%; #<A+!B')1-#+!4)&&-4)5); !O!O55!5#, #5+P!' #4#<'!-<'0'-, #+!<45)1#!O!<#. !4%)&+#!<!W+50; !O<1!  
J#; -<-+; !-<'&%1)4#1!-<!&#+\$%<+#!'%'\*#!<#1+!%K!'\*#!50&C#!W+50; -4!4%; ; )<'7!-<!DO5CO&7!O<1!%<!  
40; \$)+P!

!"#\*J(28.81(1, \*891, %78328=.89(%81K\*

6%; #<A+!+')1-#+!+!O<!-<'#&1-+4-\$5-<O&7!\$&%C&O; !. \*-4\*!&#R)-&#+!+')1#<'+'!'OU#!O!1-, #&+#!&O<C#!%K!  
450++#+!<'\*#!(&'+!O<1!); O<'#+!B%4-05!B4-#<4#+!O<1!B4-#<4#+!E#'\*%1+!O<1!&#+#O&4\*!K&%; !O!  
. -1#!&O<C#!%K!1-+4-\$5-<#+!O&#!F&%)C\*!'!%C#'\*#&!<!%)&!450++#+!O<1!+')1#<'+'!O&#!'O)C\*!'!%<'#C&O'#!  
'\*#+#!1-, #&+#!\$#&+\$#4'-, #+P!

!"4\*D92&O%(' , \*, 7(' &' 82(.899&- (18&9\*(97\*, -87, 92, L

f)&l4%; ; -'; #<'!%F%'\*!%K!'\*#+#!4%<'<)>#P!H%-<C!K%&. O&1!. #!. O<'!%'!K)&'\*#&!1#,#5%\$!%)&!<-'#&+#4'-%<O5!K#; -<+; !'\*&%)C\*!'\*#&#U#7!K&O; #. %&U+c!+)+'O-<OF-5-7!!'&O<+<O'-%<O5+; !O<1!  
1#4%5%<-TO'-%<!O<1!+V)O5!\*); O<!&-C\*'+P!Q\*+!. -55!O55%. !'\*\$%&C&O; !'#!#V\$O<1%<!)&l4%<'&F)'-%<+!'!  
'\*#M98-, %381K\*&>@(' (%K!N3\*5O31(89(F8.81K\*51%(1, 'Kc!1<, \*0978', 9&O3\*51%(1, 'KP\*(@'--@A3B@3@Ac!O<1!'\*#!  
K%4)+!%<!@() =O3\*@O.1O%, !-<'\*#!LMNbSLL!DK, 3\*Q8' <\*51%(1, 'K!l+ \$4-K-4O557!O+!'!&#5O'+!'!%h%, #&4%; -<C!  
'&4')&O5!+%4-O5!O<1!4)5')&O5!FO&&-#&+!'!4&#O'#!O!+OK#!!-<45)+, #!#\*O5'\*7!O<1!&#+\$#4'K)5!#<, -&%<; #<'!i !  
%<#!'O'!, O5)+#1-, #&+-'7!O<1!'\*#!1-C<'7!%K!#, #&7!\$#&+%<j!8G7#+=-C\*!B'&O'#C7!LMNbSLL!e>P!  
!  
f)&l. %&U!%<!)+'O-<OF-5-7!+!; %+'!, -+F5#!'\*&%)C\*!O<!--<%, O'-, #!Y5%4U!6##U!4%)&+#!%<!G4%K#; -<+; P!Q\*+!  
4%)&+#!\*O+!F##<!%KK#&#1!O+!O!\_MMS5#, #5!+\$#4-O5!'%\$-4!IF)'!. #!O&#!<% . !\$&%\$%+<C!O!<#. !dMMS5#, #5!4%)&+#!  
'\*O'!. -55!F#!#5-C-F5#K%&!O11-'-%<'!%'\*#!4%)&+#!<, #<'%&7!K%&!\*'#B)+ 'O-<OF-5-7!D#&'K-4O'P!W!O11-'-%<!  
++)+#!&#5O'-<C!'!%, O&-%)+!O+\$#4'+!%K!#4%K#; -<+; !O&#!<'#C&O'#1!<'!%; O<7!%K!%)&l4%&#l4%)&+#!P!  
!  
B-; -5O&!%!)&! . %&U!%<!)+'O-<OF-5-7!!)&l4%; ; -'; #<'!%1#4%5%<-O5!\$#1OC%C-#+!!'\*#%&-#+!O<1!; #'\*%1+!  
+!O<!%<C%<C!O<1!<4&#O+<C57!1%; -<O<'!K&O; #. %&U!K%&!%)&l4)&&-4)5); P!Q%!4-'#!%<#1+; O55!#VO; \$5#!O55!  
6EBQ!+755OF-!<45)1#!\*'#!%KK-4-O5!<-, #&+-'7!5O<1!O4U<%. 5#1C#; #<'P!6\*-5#!. #!1%!<%!O+17#!\*O, #!O!  
4%)&+#!%<!W<1-C#<%)!+H#<1#&!O<1!B#V)O5-7!1)#!'!%5O4U!%K!&#%+)&4#+!'!%\$-4+!+)4\*!O+!'! . %S+\$-&'!-1#<'-'7!  
E++<C!O<1!E)&1#&#1!W<1-C#<%)!+6%; #<!8EEW6>!O<1!<1-C#R)##&!O&#!<45)1#1!<!l4%&#l4%)&+#!P!  
: #4%5%<-O5+; !1%#+!<%!'!%<57!&#K#&!%W<1-C#<%)!+&#4%<4-5-O'-%<c!'!&#4%C<-T#+'\*#!-; \$O4'+!%K!4%5%<-O5!  
\$O+'!O<1!\$&#&#<'!<!'\*#!C5%FO5!4%<'#V'P!Q\*)+! . #!O&#l4%; ; -'#!'!%l4%)&+#!%<!H5%FO5!J#; -<+; +!O+!  
. #55!O+!W+5O; !O<1!J#; -<+; P!3%<S. #+'#&<!O\$&%O4\*#+'!%C#<1#&!O<1!+V)O5-7!1!<45)1-<C!H5%FO5!B%)' \*!  
'\*#%&7!O<1!'&O<+<O'-%<O5!K#; -<+!'!O<1!R)##&!K&O; #. %&U+!O&#!<'#C&O'#1!<'!%)&l4%&#l4%)&+#!P!6#!\*O, #!  
\$O&'4)5O&!#V\$#&'++#!<!(&OFXE-115#GO+'#&<!4)5')&#!O!)<-R)#!K#O')&#!%K!%)&!\$&%C&O; !!O<1!. -55!F#!  
F)-51-<C!'\*+!O+\$#4'!%K!%)&! . %&U!P!  
!  
J-<O557!%)&!\$&%C&O; !)\$\*%51

W<!011-'-%<! . #!. 0<'! '\*#!G4%K#; -<-+; !450++!'%!; %, #!K&%; !-'!4)&&#<'!1#+-C<0'-%<!0+!0!+\$#4-05!'%\$-4+!\_MMS  
5#, #5!4%)&+#!'!-'!+!%. <!4%&#!4%)&+#!0!'! '\*#!dMM!5#, #5!Q\*+!. -55!055%. !' '\*#!450++!'%!F#!011#1!'! '\*#!4%)&+#!  
-<, #<'%&7!K%&! '\*#!B)+ '0-<OF-5'7!D#&' -K-40' #P!  
!  
Q\*-&157!-<!5-C\*!'!K!' \*#!<); #&%) +!4%<4#&<+!#V\$&#++#1!F7!+' )1#<' +!4%<4#&<-<C!' \*#!4%<' #<'!0<1!  
044#++-F-5'7!%K!450++#+'!%<' \*#!K-#51!%K!+' )17!5+'!K%&! 6%; #<A+'B')1-#+! . #!. -55!40&#K)57!&#, -#. !' \*#!#V-+'-<C!  
5+'P!  
!  
/O+'57! . #!. %)51!5-U#!'!%#V\$5%&#!' \*#!\$%++-F-5'7!%K!+'-' -<C!) \$!O!DED/!OMbXOMe!+'&#0; !K%&!%)&!+' )1#<' +!  
0<1!5<U!' \*#!#+'! . %!4%)&+++'!%!)&!%. <!D%; ; )<-'7!B#&, -4#/#0&<-<C!4%)&+#! 6 EBQ!OM\_P!(!; %1#5!K%&! '\*-+!  
05&#017!#V-+'



!

(4'-%<IW #; !	Q-; #5<#!	"#+\$%<+F5#!/#01!	"O'-%<05#!
D&#O'#!O!+\$#4-05!%'\$-4+! 450++!-<!; #'*%1+! <); F#&#1!dNOPV!. -' *! _NO!O+!O!\$&#S&#R!O<1!O! +\$#4-05!%'\$-4+!450++!-<! '*#%&7!<); F#&#1! dNNPVV!. -' *!_NN!O+!O! \$&#S&#RP!	I #O&!N!	] <1#&C&01)O'#! : -&#4'%&!O<1!9&%C&O; ! D%%&1-<O'%&!	D)&&-4)50&!; 0\$-\$<C!O<1! '+)1#<'!+)&, #7+XK%4)+! C&%)\$+!+)CC#+'#1!'*#! <##1!K%&!; %&#!4%)&+##+! 011&##+<C!\$&%C&O; ! )'4%; #+!L!_!O<1!O!O! '*#!O1, O<4#1!5#, #5!dNO! . -5!O11&##+!\$&%C&O; ! )'4%; #!_!O<1!dNN!. -5! 011&##+!%)'4%; #+!L! O<1!OPP!
G+'OF5+*!G4%K#; -<-+; !! \$&#, %) +57!'O)C*'!O+!O! +\$#4-05!%'\$-4!O+!&#C)50&! 4%)&+#!8dLM>P!	I #O&!N!	] <1#&C&01)O'#! : -&#4'%&!O<1!9&%C&O; ! D%%&1-<O'%&!	Q*~!&#K5#4'+!'*#! 9&%C&O; A+!4%; ; -'; #<'! '%!+)'O-<OF-5-'7!O<1! . -5!O55%. !' *#!450++!'%! F#!O11#1!'%!' *#!4%)&+#!

